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3.2.1 Side-illuminated and evanescently-coupled waveguide photodiodes 3.2.2 Distributed and traveling-wave photodetectors; 3.3 High-power photodiodes; 3.3.1 Normal-incidence uni-traveling-carrier photodiodes; 3.3.2 High-power WG photodiodes; 3.3.3 High-linearity photodiodes; 3.3.4 High-power balanced detectors; 3.3.5 Photodetector arrays; 3.4 Long-wavelength photodiodes on silicon; 3.4.1 High-speed Ge photodiodes; 3.4.2 Heterogeneously integrated III-V photodiodes on Si; 3.5 APDs; 3.5.1 SACM APDs; 3.5.2 Low-noise APDs; 3.5.3 Single photon APDs; 3.6 Conclusion; References
4 Fundamentals of Photonic Crystals for Telecom Applications-Photonic Crystal Lasers

Sommario/riassunto

Optical Fiber Telecommunications VI (A&B) is the sixth in a series that has chronicled the progress in the R&D of lightwave communications since the early 1970's. Written by active authorities from academia and industry, this edition brings a fresh look to many essential topics, including devices, subsystems, systems and networks. A central theme is the enabling of high-bandwidth communications in a cost-effective manner for the development of customer applications. These volumes are an ideal reference for R&D engineers and managers, optical systems implementers, university researchers and...
